

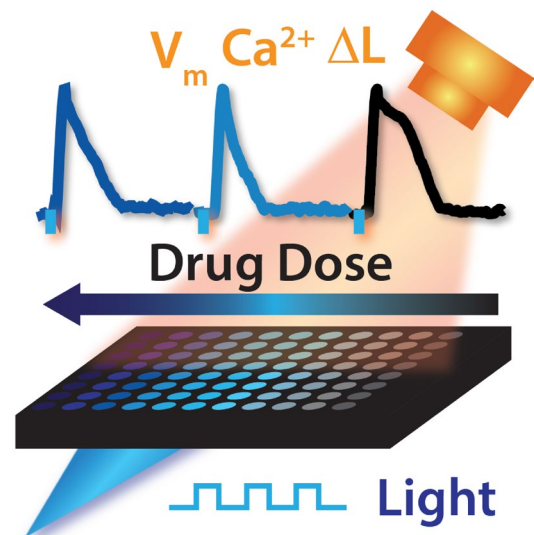
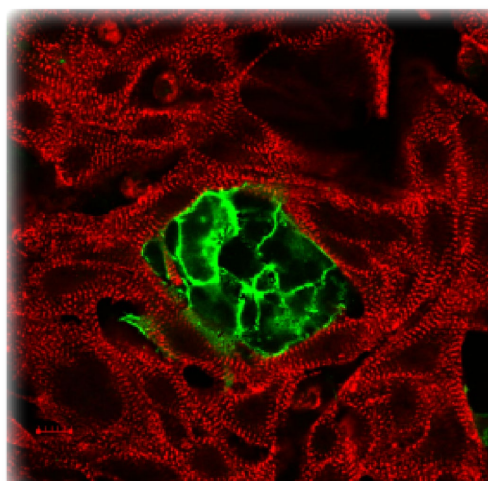
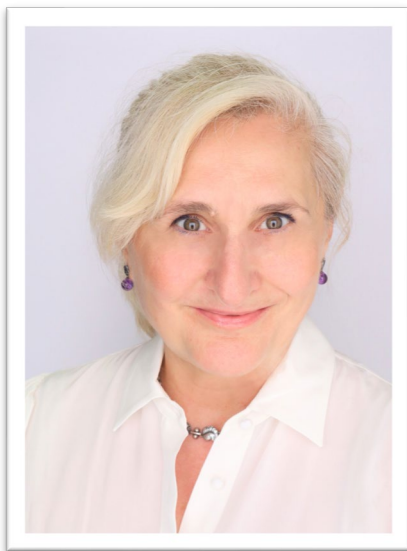
*The Orbeli Physiology Institute invites you to the
2022 Advanced Bioimaging Seminar series*

Optogenetics-enabled interrogation and control of biological function

Wednesday November 30th 2022, 5pm
Orbeli Physiology Institute Conference room
Yerevan, 22 Orbeli Brothers street

Emilia Entcheva, PhD

*Professor of Biomedical Engineering
School of Engineering and Applied Sciences
George Washington University, USA*



Optogenetics uses light-sensitive proteins of non-mammalian origin to enable imaging and control of biological processes with unprecedented precision in space and time. The genetic specificity and the non-contact nature of the method has led to an explosion of applications – from basic science to the clinic. In this seminar, the basic optogenetics methodology will be introduced and key developments and applications will be discussed, covering utility in neuroscience, vision, heart and plants.

The webinar will be in English, is free and open to the public
Refreshments will be served